

Title (en)

MICROWAVE CONTAINER SCREENS FOR ELECTRODELESS LAMPS

Title (de)

MIKROWELLENBEHALTERSCHIRMEN FUR ELEKTRODENLOSE LAMPEN

Title (fr)

ECRANS DE BOITIERIS A HYPERFREQUENCES POUR LAMPES SANS ELECTRODE

Publication

**EP 0990261 A1 20000405 (EN)**

Application

**EP 96940815 A 19961203**

Priority

- US 9618562 W 19961203
- US 59247496 A 19960126

Abstract (en)

[origin: WO9727617A1] A microwave electrodeless lamp (10) includes an improved screen unit (20) having a mesh section (42) and a solid section (43) with an internal reflector (50) to reflect light emitted from a bulb (21). Light emitted from the bulb (21) is prevented from entering the solid portion (43) of the screen unit (20). The solid section (43) further includes multiple compliant fingers (45) therein which engage with the periphery of a flange (28) on waveguide unit (27) by means of a hose clamp (60). Mesh sections having different configurations can be used to provide different illumination patterns. Also, the material of the mesh section (42) may be of the solid material type.

IPC 1-7

**H01J 65/04**

IPC 8 full level

**F21S 2/00** (2006.01); **H01J 61/02** (2006.01); **H01J 61/04** (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP US)

**H01J 61/025** (2013.01 - EP US); **H01J 61/04** (2013.01 - EP US); **H01J 65/044** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9727617 A1 19970731**; AU 1077897 A 19970820; EP 0990261 A1 20000405; EP 0990261 A4 20000405; JP 2000504141 A 20000404; US 5811936 A 19980922

DOCDB simple family (application)

**US 9618562 W 19961203**; AU 1077897 A 19961203; EP 96940815 A 19961203; JP 52682797 A 19961203; US 59247496 A 19960126